

**AMENDMENTS TO THE CLAIMS:**

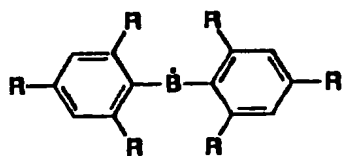
**Please cancel claims 12-13 and 15-17 without prejudice or disclaimer, and amend the claims as follows:**

1. (Currently Amended) A secondary battery comprising:  
a positive electrode[,];  
a negative electrode; and  
an electrolyte ~~therebetween~~ disposed between said positive electrode and said negative electrode,

wherein active material of one of said positive electrode and said negative electrode ~~includes~~ comprises a compound having boron radicals.

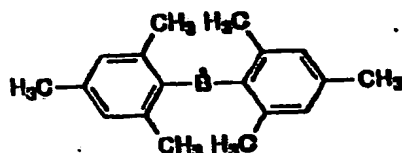
2. (Currently Amended) The secondary battery as set forth in claim 1, wherein said compound ~~has~~ comprises at least one of an aromatic group and/or an alkyl group groups combined with said boron radicals.

3. (Currently Amended) The secondary battery as set forth in claim 2, wherein said compound is represented by the following structural formula:



~~where~~ wherein each R represents one of a hydrogen atom, a substituted ~~hydrocarbon~~ hydrocarbon group and a non-substituted hydrocarbon group.

4. (Original) The secondary battery as set forth in claim 2, wherein said compound is represented by the following structural formula:



5. (Original) The secondary battery as set forth in claim 1, wherein said compound has a spin concentration of higher than  $10^{21}$  spins/g.

6. (Currently Amended) The secondary battery as set forth in claim 1, wherein said compound ~~has spin~~ comprises said boron radicals in a starting state.

7. (Currently Amended) The secondary battery as set forth in claim 1, wherein said compound ~~has~~ comprises said boron radicals in an electrolytic reduction state.

8. (Currently Amended) The secondary battery as set forth in claim 1, wherein said compound ~~has~~ comprises said boron radicals in an electrolytic oxidation state.

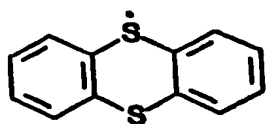
9. (Currently Amended) A ~~radical compound type~~ secondary battery comprising:  
a positive electrode[,];  
a negative electrode; and  
an electrolyte ~~therebetween~~ disposed between said positive electrode and said negative electrode,

wherein active material of one of said positive electrode and said negative electrode ~~includes~~ comprises a compound having a sulfur ~~radicals~~ radical in a starting state.

10. (Currently Amended) The secondary battery as set forth in claim 9, wherein said compound ~~has~~ comprises heterocyclic groups combined ~~including with a sulfur radicals~~

radical.

11. (Currently Amended) The secondary battery as set forth in claim ~~10~~ 9, wherein said compound is represented by the following structural formula:



12. (Canceled)

13. (Canceled)

14. (Original) The secondary battery as set forth in claim 9, wherein said compound has a spin concentration of higher than  $10^{21}$  spins/g.

15. (Canceled).

16. (Canceled).

17. (Canceled).

18. (New) The secondary battery as set forth in claim 9, wherein said compound comprises two different radical compounds.

19. (New) The secondary battery as set forth in claim 9, wherein said compound is combined with a non-radical compound.

20. (New) The secondary battery as set forth in claim 9, wherein said active material of said

negative electrode comprises said compound, and

wherein said active material of said positive electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound.

21. (New) The secondary battery as set forth in claim 9, wherein said active material of said positive electrode comprises said compound, and

wherein said active material of said negative electrode comprises one of a carbon material, an amorphous carbon, a metal and a conductive polymer.

22. (New) The secondary battery as set forth in claim 1, wherein said active material of said negative electrode comprises said compound, and

wherein said active material of said positive electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound.

23. (New) The secondary battery as set forth in claim 1, wherein said active material of said positive electrode comprises said compound, and

wherein said active material of said negative electrode comprises one of a carbon material, an amorphous carbon, a metal and a conductive polymer.

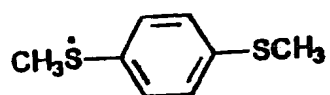
24. (New) A secondary battery comprising:

a positive electrode;

a negative electrode; and

an electrolyte disposed between said positive and said negative electrode,

wherein an active material of one of said positive electrode and said negative electrode comprises a compound represented by the following structural formula:



25. (New) A secondary battery comprising:

a positive electrode;

a negative electrode; and

an electrolyte disposed between said positive electrode and said negative electrode,

wherein active material of one of said positive electrode and said negative electrode comprises a compound having a sulfur radical,

wherein said compound comprises heterocyclic groups combined with said sulfur radical.

26. (New) The secondary battery as set forth in claim 25, wherein said compound is represented by the following structural formula:

